

CONFIDENTIAL

13 April 1961

MEMORANDUM FOR: Chief, Technical Services Staff

SUBJECT : Request for Initiation of Task ZZ under Contract
RD-26 with [REDACTED]
(EB-178B-1, Air-Fed Incinerator)

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1. Description of the Project

Determination of the effect of altitude on air fed incinerators and development of a method of supplying emergency power to the Model 2 Air Fed Incinerator.

2. Purpose of the Project

In order to insure proper operation of the Model I and II Air Fed Incinerators at various altitudes more data is necessary than is presently available. This proposed program will provide for a paper study and limited testing to determine the effect of altitude on the burning rate of the air fed incinerators. This data will then be tabulated or graphed in a form to permit us to select the proper motor and blower size prior to shipment to a specific area. The need for this advanced information was proven during the recent TSD installation of an incinerator in Mexico City at which time it was necessary to air freight in another fan blade which fortunately happened to be available and of the right diameter.

This proposed program will also provide for the selection and testing of a gasoline engine to provide emergency power for the Model II Air Fed Incinerator. Provisions have already been made for this type of power and this program will allow for selection of the complete emergency power package. Determination of exactly how and with what is presently holding up the shipment of a Model II Incinerator to [REDACTED] The emergency power study and testing will endeavor to minimize the effects of engine vibration on the operation of the incinerator and devise a means of adjusting for the proper blower speed, in view of the different r.p.m. of the gasoline engine. It is expected that the engine exhaust will be vented into the fan inlet and passed out the incinerator stack.

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3. Recommended Contractor

The recommended contractor for this work is [REDACTED]

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4. Support Requirements

There is no support required from other Government agencies for this work.

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5. Total Cost

The total estimated cost for a three months period of performance is \$6,890.00, including a fixed fee of \$390.00. Charges are to be made against Allotment Number 1125-1390-3901.

6. Security Information

Contract RD-26 is an Agency sterile contract. Task ZZ should also be Agency sterile. Government interest may be shown. The item per se is unclassified. Agency interest in all work and material under the contract and task is classified Secret and may be divulged only on a need-to-know basis to appropriate security approved personnel.

7. Project Engineers

The project engineers for this program are [redacted]

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[redacted] Room 210, West Outbuilding, [redacted]

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Chief

TSD/Engineering Branch

DD/P/TSD/EB [redacted]

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Distribution:

Orig - EB-178B-1 when ret'd from C/TSD

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